

APPLICATION FOR PERMIT
TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office.....MAR 09 1993

Returned to applicant for correction.....

Corrected application filed.....

Map filed.....MAR 09 1993 under 58589

The applicant.....Southern Nevada Water Authority

3700 West Charleston Boulevard....., of.....Las Vegas.....
Street and No. or P.O. Box No. City or Town

Nevada 89153....., hereby make..S application for permission to appropriate the public
State and Zip Code No.

waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a

copartnership or association, give names of members.) Big Bend Water District, City of Boulder City,
City of Henderson, City of Las Vegas, City of North Las Vegas, Clark County Sanita-
tion District, and the Las Vegas Valley Water District

1. The source of the proposed appropriation is.....Virgin River and its tributaries at about point of
junction with Lake Mead at spillway eleva.....Name of stream, lake, spring, underground or other source
tion, 1,220 ft above mean sea level within the SE¼ NE¼ Sec. 1, T.16S., R.68E.,
M.D.B.&M.

2. The amount of water applied for is.....700 cfs, not to exceed 150,000 AF average annually.....second-feet
One second-foot equals 448.83 gals. per min.

(a) If stored in reservoir give number of acre-feet.....150,000 AF average annually with a maximum of
500,000 AF to be stored in Lake Mead in any given year

3. The water to be used for.....Municipal and Domestic
Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.

4. If use is for:

(a) Irrigation, state number of acres to be irrigated.....

(b) Stockwater, state number and kinds of animals to be watered.....

(c) Other use (describe fully under No. 12. "Remarks").....

(d) Power:

(1) Horsepower developed.....

(2) Point of return of water to stream.....

5. The water is to be diverted from its source at the following point.....within the NE¼ NW¼ Sec. 11, T.22S.,
Describe as being within a 40-acre subdivision of public
R.64E., M.D.B.&M., at a point from which the NW corner Sec. 10, T.22S., R.64E.,
survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated.
M.D.B.&M. bears N. 82° 12' 37" W., a distance of 7,530.4 feet.

6. Place of use.....Clark County, Nevada, as more particularly described in NRS 243.035
Describe by legal subdivision. If on unsurveyed land, it should be so stated.

7. Use will begin about.....January 1.....and end about.....December 31....., of each year.
Month and Day Month and Day

8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and
specifications of your diversion or storage works.) Existing Southern Nevada Water System; intake
State manner in which water is to be diverted, i.e. diversion structure, ditches and
to treatment plant, treated water pumped to place of use
flumes, drilled well with pump and motor, etc.

9. Estimated cost of works..... Existing facilities cost about \$312 million

10. Estimated time required to construct works..... Existing
If well completed, describe works.

11. Estimated time required to complete the application of water to beneficial use..... 10 years

12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use:

See attached remarks sheet

Compared..... bc/bc

By s/Patricia Mulroy
 Patricia Mulroy, General Manager
 3700 West Charleston Boulevard
 Las Vegas, Nevada 89153

Protested.....

.....OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed..... cubic feet per second.....

Work must be prosecuted with reasonable diligence and be completed on or before.....

Proof of completion of work shall be filed before.....

Application of water to beneficial use shall be filed on or before.....

Proof of the application of water to beneficial use shall be filed on or before.....

Map in support of proof of beneficial use shall be filed on or before.....

Completion of work filed.....

Proof of beneficial use filed.....

Cultural map filed.....

Certificate No..... Issued.....

IN TESTIMONY WHEREOF, I,,
 State Engineer of Nevada, have hereunto set my hand and the seal of my

office, this..... day of.....,

A.D.....

.....
 State Engineer

Remarks to accompany the Southern Nevada Water Authority's
Application for Virgin River water

12. The applicant, Southern Nevada Water Authority, is comprised of the Big Bend Water District, City of Boulder City, City of Henderson, City of Las Vegas, City of North Las Vegas, Clark County Sanitation District, and the Las Vegas Valley Water District, located in Clark County, Nevada, as approved by those entities on July 25, 1991.

The applicant seeks all unappropriated water of the Virgin River which flows into Lake Mead at spillway elevation about 1220 feet above mean sea level, located within the SE¼ NE¼ Sec. 1, T.16S., R.68E., M.D.B.& M. The applicant intends to utilize Lake Mead as the means of transporting the unappropriated water to the existing water treatment facilities at Saddle Island. The treatment facilities are currently operated by the Las Vegas Valley Water District.

The applicant agrees that it will obtain, if necessary, all approvals from the United States, or any state(s) to carry out the intentions and purposes of this application.

The estimated use of the water is 60 percent residential and 40 percent commercial/industrial and will be additive to an existing water supply to serve an estimated population of 1.2 million by the year 2002.